Mer May 22 Department of the Interior,
and Log U. S. GEOLOGICAL AND GEOGRAPHICAL SURVEY OF THE TERRITORIES, Second Division, J. W. POWELL in charge, Dr. Engelmann Siv. you the cacti and some conifers of my last summers collection in Wah some time last writer, Dr. Vasey writing you a letter to explain them. I am now ready to make out my report and would be glad to get your report on the same as early as convenient, Will you dome the favor to inform me how soon d'eau expect it. Very respectfully Your Oll. Server, L. F. Mard Botanist of the Expedition. 1466 R. J. Ave.

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AND THE RESIDENCE OF THE PARTY MISSOURI BOTANICAL GARDEN GEORGE ENGELMANN PAPERS MISSOURI BOTANICAL GARDEN

der 25 100 1466 R. J. Ave. an - 10 Washington D.C. July 6, 1876. Dr. G. Engelmann. Dear Sir. Your Kind favor of the 29th ult. and your monograph of the Oaks of the U.S. Came duly to hand and for them you have my sincere thanks. Dr. Vasey and I are making inha package of some of the more remarkable forms of oak which will be duly forwarded to you, My phecimens are not as Charac. teristic as some I have had, but when the season comes round again I will make an effort to get better ones, as I have tagged a number of peculiar trees, However little

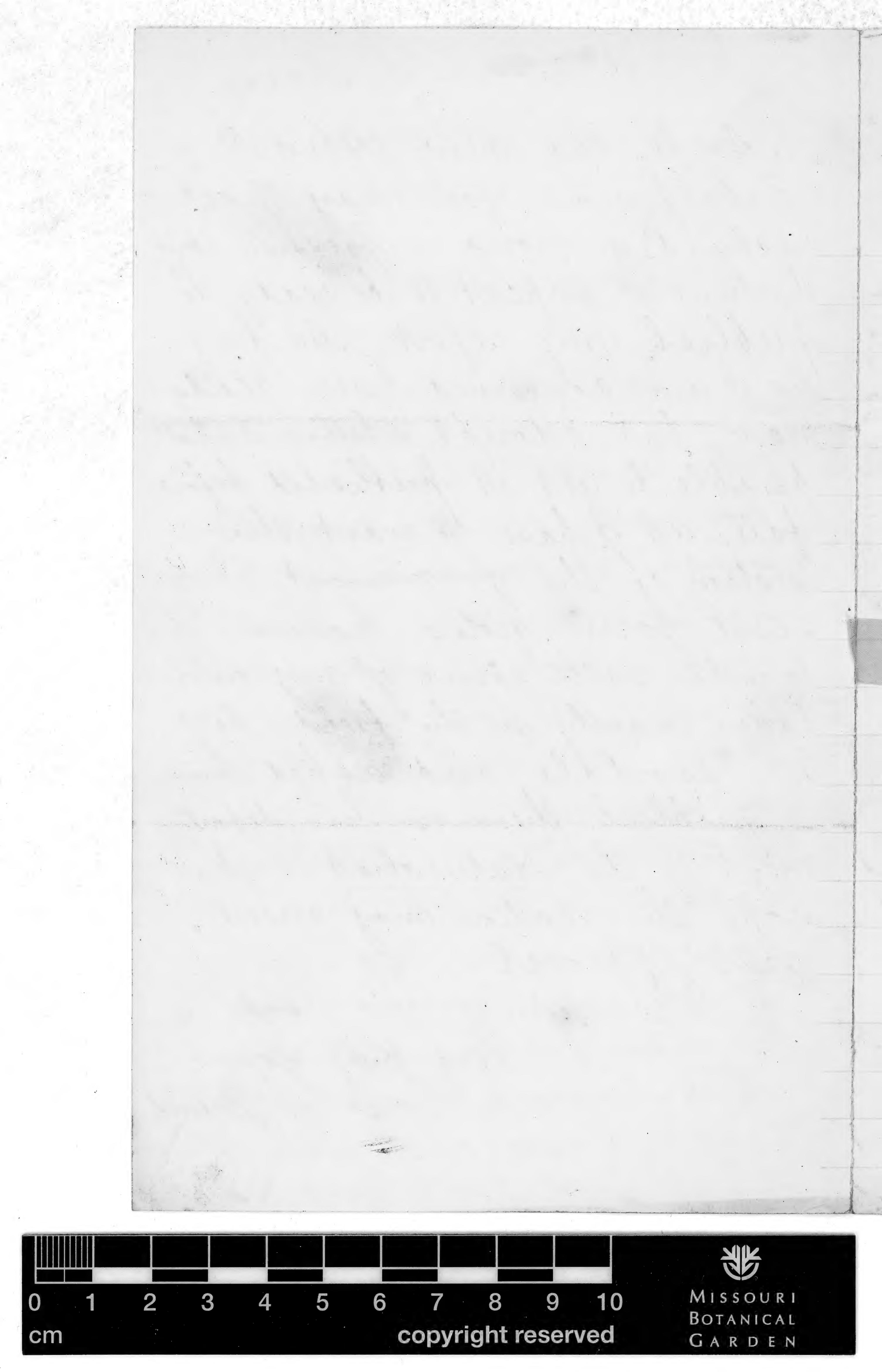
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evidence the specimens in the White Oak group may furnish in favor of hyblidization, they are at least the most puggling of all the forms. My 2. mgra-trinctoria is nearer tructoria than migra and you may question the existence of the former element, I am interested in your new L. Michanting and moline to believe you may recognize it in some of our specimens. 2. Primes, var. accuminata I have given up ; unless a remarkable smallleaved form Dr. Vasey has found having curious teeth at the end of each vein, may be referred tottat variety. I will endeavor to follow the matter up, as you suggest, as far as my opportremities will permit.

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As to the new Abres (. subalfrina) you may have received a wrong impression about the time I expect to be ready to publish my report. Do far as I am concerned I am ready now, but I doubt whether I shall be able to get it published before - fall as I have to wait the in motion of the government. Dent your notes, however, together with some of my own taken mostly in the field, to Dr. Goodale and asked hun I to problish them in his depart-- hope this action may meet your approval. Freman

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Res July 20th 466 R. S. Ave. and Washington D.C., July 17, 1876 Dr. Engelmann Dear Sir. you for your highly esteemed letter of the 13th mest, and for the many valuable suggestions which it contains, and I will endeavor to profit by them. The sterile aments of oaks about here are all gone by the end of May, Lour method of fastening in acour with a fin must be an exellent one, I shall adopt it and believe it will prove a true Columbus egg. My 2. migra-tructoria stonds in the midst of true migras from which it seems to be wholly different. The Q. Brims var, which &

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have so labeled without naming the variety is the one that I called var. acuminata in my paper; the leaves being often long accumule but never sharply 20. I recede wholly from that view but the form still puggles me. I inchne to believe you are right in thinking it Nuttall's Michaupir but there is no good figure of it either in Micharix or Nuttalls volume. It grows close down to the river bank in rocky places, often learning far over the water. Thave seen it so growing for 50 miles along the Polomae, and have never found the true narrow chestrust-shaped form far away from such situations, now back on the hills, You say you only consider those leaves on fruit bearing branchets reliable, while admitting the me -

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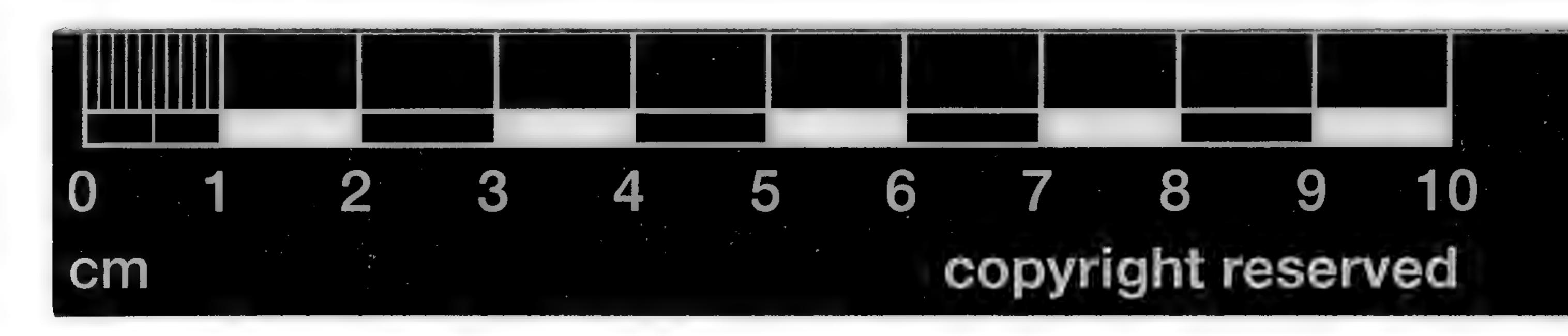
portance of collecting others, I I would call your attention to the fact that in my 2. Leana, at least, the transition forms are never shown on the fruit bearing branchlets, but only on sterile ones e and usually both near the base ig of the tree and wear its trunk. E Higher up and farther out they become quite regular, The speci mens & sent you illustrate This. On the now less pleasant subject of Abries subalpina, Fregret exceedingly that there was any misunderdanding, Nothing could be farther from my desire than to put you mito the false light of wishing to rush into print. To evidence my deliberation submitted the matter not only to Dr. Vasey but also to Major Powell, and all. seemed to think that you desired

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your notes published. They were written in the third person with the remark in Dr. Vis letter which he was so good as to show me, "and Wr. Ward may publish! Of course this applied to my report, but it seemed to us all that their appearance in an official report would give them a greater air of finality than in the Botanical notes of the Naturaliet, Jacked Dr. V. to ask you if you could give me the characters, as Dr. Gray has done for the dozen new species he has named for me. I do not think & added any supernation of haste. The bruth is that her all thought that, with your well known modesty, you shrunk from putting forth this "feeler" on your own responsibility, and were actualed by a desire to secure you the credit you so justly deserve in the case, for before either your revision or my refort should come out some one else, not at all deserving of it, might shep in and tear it off. If you really object to the publication Ithink there is still time to frevent it by a note ti strat effect to Dr. Boodale oflean bridge. Otile, hoping you may not take this view of it, and that your may credit

Acc May 4 Cosmos Club. Mashington City. May 1, 1880. pust oilained from Dr. Vasey the Removem of the genne Thrus which you had the great generoundy lo send mel. A.leg to in 22 wite your that I pringe most highly this valuable and meeded contra buten to American Belann.

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able to and your in some way in your mostigations. I can send you anything that growd here and will take pleasure in furnishing you with specimens in any stage of development. It may interest you to know that I have found Timo pungeno here at ordinary elevations. Again thanking you for this and former favors Cordially Lows Lester F. Mard

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1464 R. J. Ave. Washington, D.G. Aur nov 4 Nov. 2. 1882 Legelm valide Br. Leo. Engelmann, St. Louis, Mo. My Dear Sir. I send you by this mail a specimen, corresponding to the melosed label, which I would thank you to name for me. The specimen you can keep. I recall your prediction made in a note I received from you dated May 17.1882, in these words: "I find no Essetes in it (Flora of Washington"). You would surely be able to find one or more species there. As you are by the date of collection, your prediction was verified within a month. I have none in my Collection any-where near to big. The one that comes

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